

ETEC215L : Photovoltaics

This course introduces the principles of photovoltaics; including the basics of safety, the electrical basics of solar PV systems, and how modules are designed and combined with other system components. Participants will learn how to decide upon the size, electrical and mechanical design of a PV system, as well as how to analyze and troubleshoot problems. The lab portion of the course will include hands-on installation of PV systems on mock roofs and ground mounts. This PV Entry Level course but will serve as an important first step in preparing individuals to become highly skilled, qualified, and experienced trades people in the PV industry. Students should have a basic understanding of electricity fundamentals before enrolling in this course. Credit will not be given for more than one of the following courses: ETEC215L or [ESTC150L](#).

Credits 3

Lab Hours 3

Class Hours 2

Prerequisite Courses

[ETEC124L: AC/DC Theory](#)